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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,061	09/24/2003	William S. Eaton	200207971	5094
22879 7590 06/01/2009 HEWLETT PACKARD COMPANY P O BOX 272400, 3404 E. HARMONY ROAD			EXAMINER	
			GARCIA, GABRIEL I	
	NTELLECTUAL PROPERTY ADMINISTRATION FORT COLLINS, CO 80527-2400		ART UNIT	PAPER NUMBER
			2625	
			NOTIFICATION DATE	DELIVERY MODE
			06/01/2009	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

JERRY.SHORMA@HP.COM ipa.mail@hp.com jessica.l.fusek@hp.com

	Application No.	Applicant(s)					
Office Action Occurrence	10/670,061	EATON, WILLIAM S.					
Office Action Summary	Examiner	Art Unit					
	GABRIEL I. GARCIA	2625					
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	lely filed the mailing date of this communication. (35 U.S.C. § 133).					
Status							
1)⊠ Responsive to communication(s) filed on <u>02 M</u>	arch 2009.						
	action is non-final.						
<i>,</i> —	, 						
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-24</u> is/are pending in the application.							
	4a) Of the above claim(s) <u>8-12 and 20-242</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-4,7,13-16 and 19</u> is/are rejected.							
7) Claim(s) <u>5-6 and 17-18</u> is/are objected to.							
· · · · · · · · · · · · · · · · · · ·	election requirement						
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10)⊠ The drawing(s) filed on <u>24 September 2003</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)	_						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of Informal P						
Paper No(s)/Mail Date 6) Other:							

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Part III DETAILED ACTION

1. Applicant's election with traverse of claims 1-7 and 13-19 in the reply filed on 3/2/09

is acknowledged. The traversal is on the ground(s) that claims were previously rejected

and that it won't be a serious burden on the examiner. This is not found persuasive

because Examiner maintains that the other inventions would require different searches

and Examiner asserts that claims are drawn to different inventions. The requirement is

still deemed proper and is therefore made FINAL. Applicant's arguments are not found

to be persuasive because Examiner asserts that claims are not simply variant of the

elected species, and the different claims will required searching in different areas not

necessity in the elected claims.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 8-12 and 20-24 are withdrawn from further consideration pursuant to 37

CFR 1.142(b), as being drawn to a nonelected group.

3. Claims 6 and 7 recite the limitation "said offset voltage" in line 1. There is

insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

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A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-4,7,13-16 and 19 are rejected under 35 U.S.C. 102(b) as being anticipated by Beck et al. (6,755,495).

With regard to claim 1, Beck et al. teaches a driver circuit (fig. 4) for driving simultaneously a variable number of firing resistors for a printhead (e.g. col. 3, lines 1-11) during a printing firing cycle (e.g. col. 5, lines 36-44), the driver circuit comprising: a drive circuit for supplying firing pulses for firing the variable number of firing resistors during the printing firing cycle(e.g. col. 3, lines 1-11 and col. 5, lines 36-44); a circuit for adjusting a magnitude of a voltage or a current of said drive signal during the printing firing cycle in dependence on the variable number of firing resistors to be fired simultaneously in a given subset during the printing firing cycle (e.g. col. 3, lines 17-32, col. 5, lines 36-44).

With regard to claim 2, Beck et al. teaches wherein said drive circuit is a voltage source, and said circuit adjusts a voltage magnitude of said drive signal col. 5, lines 36-44).

With regard to claim 3, Beck et al. teaches wherein said circuit adjusts the voltage magnitude in dependence on said variable number of firing resistors being simultaneously fired (e.g. col. 3, lines 17-32, col. 5, lines 36-44).

With regard to claims 4 and 9, Beck et al. teaches wherein said circuit provides an increased voltage magnitude for larger variable numbers and wherein said offset

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voltage is a monotonically increasing function of said variable number of firing resistors (e.g. col. 3, lines 17-32, as the number of resistor increases the more voltage is used).

With regard to claims 13-16 and 19, the limitations of claims 13-16 and 19 are covered by the limitations of claims 1-4 and 7 above.

Conclusion

- 5. Claims 5-6 and 17-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The prior art of record does not teach the limitations as recited in claims 5-6 and 17-18 in combination with the features of the independent claim.
- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Beck et al. (6,755,495) teaches an integrated control of power delivery to firing resistors for printhead assembly

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gabriel I. Garcia whose telephone number is (571) 272-7434. The Examiner can normally be reached Monday-Thursday from 7:30 AM-6:00 PM. The fax phone number for this group is (571) 273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

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supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry of a general nature or relating to the status of this application should

be directed to the Group receptionist whose telephone number is (571) 272-2600.

/Gabriel I Garcia/

Primary Examiner, Art Unit 2625

Gabriel I. Garcia Primary Examiner

April 23, 2009